

CLAIMS

1. Flexible conveyor comprising a carrying structure and a conveyor belt where the
5 upper side is defined by the conveyor belts loading surface, **characterised in that** the
carrying structure comprises a load-carrying chain, where each link in the chain on its
upper side comprises conveyor belt support means, and on its underside conveyor belt
guidance means, and that each load-carrying chain link is articulately joined for
10 movement in three dimensions relative to the adjacent links and further that the
loading surface of the conveyor belt is supported by the conveyor belt support means,
and further that means are provided in each end of the flexible conveyor about which
the conveyor belt is guidably turned.
2. Flexible conveyor according to claim 1, **characterised in that** the chain links of the
15 load-carrying chain are integral with the conveyor belt support means and the
conveyor belt guidance means, and that it is made from a mouldable plastic material.
3. Flexible conveyor according to claim 1, **characterised in that** two or more sets of
adjustable support legs can be attached to the load-carrying chain.
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4. Flexible conveyor according to claim 1, **characterised in that** one or more of the
conveyor belt support means projecting from its underside comprises roller means or
ball means for slidably supporting at least part of the conveyor.
- 25 5. Flexible conveyor according to claim 1, **characterised in that** at both sides of the
conveyor connecting the edges of the conveyor belt support means with the conveyor
belt guidance means of each chain link sides are provided.
- 30 6. Flexible conveyor according to claim 1, **characterised in that** the conveyor belt
support means and the conveyor belt guidance means in the conveyor's longitudinal
plane comprises recesses and protrusions, such that protrusions on one chain link fits
within a recess in an adjacent chain link.

7. Flexible conveyor according to claim 1, **characterised in that** the means provided at each end of the flexible conveyor about which the conveyor belt is guidably turned, comprises side members on the inner side of which a track is formed for guiding the conveyor belt.

8. Flexible conveyor according to claim 1, **characterised in that** the conveyor belt is driven by a pinion drive engaging in the belt adjacent to at least one of the means arranged at each end of the conveyor.